

**ABSTRACT**

The present invention provides an edge cleaning system and method in which a directed stream of a mild etching solution is supplied to an edge area of a rotating workpiece, including the front surface edge and bevel, while a potential difference between the workpiece and the directed stream is maintained. In one aspect, the present invention provides an edge cleaning system that is disposed in the same processing chamber that is used for deposition or removal processing of the workpiece. In another aspect, the mild etching solution used for edge removal is also used to clean the front surface of the wafer, either simultaneously with or sequentially with the edge removal process.